

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/579202	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 16:09
S2	1	S1 and (substrate\$2 near7 align\$5 film\$2 near7 orient\$5 siz\$4 dimens\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 16:15
S3	1	S1 and ((fill\$4 seal \$5) near7 material \$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 17:47
S4	1	S1 and ((fill\$4 seal \$5) near7 material \$3) same "mu.m"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 17:56
S5	1	S1 and (seal\$5 same (seal\$3 fill\$4) near7 (element\$5 particl\$4 bit\$1) near5 ("mu.m" micron micrometer \$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:03
S6	184	liquid near2 crystal \$2 and (seal\$5 same (seal\$3 fill\$4) near7 (element\$5 particl\$4 bit\$1) near5 ("mu.m" micron micrometer \$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:04
S7	1	S1 and seal\$5 near12 substrat\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:05
S8	96309	seal\$5 near12 substrat\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:05
S9	1	S1 and ("delta.n" retard\$5) same (indice\$1 index\$4) same (cell\$1 gap spac\$4) near6 ("mu. m" micron micrometer\$2 nm nano\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:11

S11	1	S1 and ("delta.n" retard\$5 anisotrop\$3) same (indice\$1 index\$4) same (cell\$1 gap spac\$4) near6 ("mu.m" micron micrometer\$2 nm nano\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:12
S12	521	("delta.n" retard\$5 anisotrop\$3) same (indice\$1 index\$4) same (cell\$1 gap spac\$4) near6 ("mu.m" micron micrometer\$2 nm nano\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:13
S13	1	S6 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:13
S14	8029	liquid near2 crystal\$2 and (seal\$5 same ("mu.m" micron micrometer\$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:17
S15	117	S12 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:18
S16	2025	liquid near2 crystal\$2 and (seal\$5 same (seal\$3 fill\$4) near7 ("mu.m" micron micrometer\$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:19
S17	30	S12 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:20
S18	29	(US-20070259134-\$ or US-20070231506-\$ or US-20070188690-\$ or US-20070182903-\$ or US-20070172605-\$ or US-20060286313-\$ or US-20060275560-\$ or US-20060087482-\$ or US-20050231662-\$ or US-20040189923-\$ or US-20040021818-\$ or US-	US-PGPUB; USPAT	OR	OFF	2008/01/24 18:21

		20030107698-\$ or US-20020063822-\$). did. or (US-7209211-\$ or US-6724455-\$ or US-6690446-\$ or US-6661488-\$ or US-6621538-\$ or US-6600534-\$ or US-6341004-\$ or US-6137560-\$ or US-6124915-\$ or US-5598285-\$ or US-5126866-\$ or US-5095378-\$ or US-5026879-\$ or US-4617141-\$ or US-4533488-\$ or US-4522741-\$). did.				
S19	29	S18 and ("delta.n" retard\$5 anistrop\$3) same (indice\$1 index\$4) same (cell\$1 gap spac\$4) near6 ("mu.m" micron micrometer\$2 nm nano\$5) and (seal\$5 same (seal\$3 fill\$4) near7 ("mu.m" micron micrometer \$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:22
S20	160	liquid near3 crystal and ("delta.n" retard \$5 anistrop\$3) same (indice\$1 index\$4) and (lod liquid crystal \$3) same (cell\$1 gap spac\$4 height) near7 ("mu.m" micron micrometer \$2 nm nano\$5) and (seal\$5 same (seal \$3 fill\$4) near7 ("mu.m" micron micrometer\$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:31

S21	139	liquid near3 crystal and ("delta.n" retard \$5 anistrop\$3) same (indice\$1 index\$4) and (lcl liquid near2 crystal\$3 substrate \$2) near7 (gap spac \$4 height) near7 ("mu.m" micron micrometer\$2 nm nano\$5) and (seal\$5 same (seal\$3 fill\$4) near7 ("mu.m" micron micrometer \$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:33
S22	8	liquid near3 crystal and ("delta.n" retard \$5 anistrop\$3) same (indice\$1 index\$4) and (lcl liquid near2 crystal\$3 substrate \$2) near7 (gap spac \$4 height) near7 ("mu.m" micron micrometer\$2 nm nano\$5) and (seal\$5 same (seal\$3 fill\$4) near4 (particle\$2 element\$1 part\$2 near3 consti\$5) near7 ("mu.m" micron micrometer \$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:39
S23	7	(US-20070013862-\$ or US-20020191134-\$).did. or (US-7230669-\$ or US-7199855-\$ or US-6803980-\$ or US-6542214-\$ or US-5327271-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/01/24 18:40

S24	7	S23 and ("delta.n" retard\$5 anistrop\$3) same (indice\$1 index \$4) and (lcl liquid near2 crystal\$3 substrate\$2) near7 (gap spac\$4 height) near7 ("mu.m" micron micrometer \$2 nm nano\$5) and (seal\$5 same (seal \$3 fill\$4) near4 (particle\$2 element \$1 part\$2 near3 consti\$5) near7 ("mu.m" micron micrometer\$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 18:40
S25	5	(US-20070259134-\$ or US-20040189923-\$ or US-20040021818-\$ or US-20030107698-\$). did. or (US-6661488-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/01/24 19:40
S27	5	S25 and ("delta.n" retard\$5 anistrop\$3) same (indice\$1 index \$4) same (cell\$1 gap spac\$4) near6 ("mu.m" micron micrometer\$2 nm nano\$5) and (seal\$5 same (seal\$3 fill\$4) near7 ("mu.m" micron micrometer \$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 19:40
S28	3	(US-20070013862-\$).did. or (US-7199855-\$ or US-5327271-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/01/24 19:41

S29	3	S28 and ("delta.n" retard\$5 anistrop\$3) same (indice\$1 index \$4) and (lcl liquid near2 crystal\$3 substrate\$2) near7 (gap spac\$4 height) near7 ("mu.m" micron micrometer \$2 nm nano\$5) and (seal\$5 same (seal \$3 fill\$4) near4 (particle\$2 element \$1 part\$2 near3 consti\$5) near7 ("mu.m" micron micrometer\$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/24 19:41
S30	7	(US-20070013862-\$ or US-20020191134-\$).did. or (US-7230669-\$ or US-7199855-\$ or US-6803980-\$ or US-6542214-\$ or US-5327271-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/01/25 15:39
S31	7	S30 and ("delta.n" retard\$5 anistrop\$3) same (indice\$1 index \$4) and (lcl liquid near2 crystal\$3 substrate\$2) near7 (gap spac\$4 height) near7 ("mu.m" micron micrometer \$2 nm nano\$5) and (seal\$5 same (seal \$3 fill\$4) near4 (particle\$2 element \$1 part\$2 near3 consti\$5) near7 ("mu.m" micron micrometer\$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/25 15:39
S32	5	(US-20070259134-\$ or US-20040189923-\$ or US-20040021818-\$ or US-20030107698-\$).did. or (US-6661488-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/01/25 15:43

S33	5	S32 and ("delta.n" retard\$5 anistrop\$3 same (indice\$1 index \$4) same (cell\$1 gap spac\$4) near6 ("mu.m" micron micrometer\$2 nm nano\$5) and (seal\$5 same (seal\$3 fill\$4) near7 ("mu.m" micron micrometer \$2 nm nano\$5)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/25 15:43
S34	3	S32 and (seal\$4 fill \$4) same (dimens\$5 length\$2 diameter \$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/25 15:57
S35	3	S32 and (seal\$4 fill \$4) same (particl\$4 elements siz\$2 dimens\$5 length\$2 diameter\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/25 15:58
S36	2	S32 and (seal\$4 fill \$4) same (particl\$4 elements siz\$2 dimens\$5 length\$2 diameter\$2) near6 ("mu.m" micron micrometer\$2 nm nano\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/25 16:00
S37	9	(US-20070121050-\$ or US-20040189923-\$ or US-20030107698-\$ or US-20070259134-\$ or US-20040021818-\$ or US-20070013862-\$). did. or (US-6661488-\$ or US-7199855-\$ or US-5327271-\$). did.	US-PGPUB; USPAT	OR	OFF	2008/01/25 16:01
S38	6	S37 and (seal\$4 fill \$4) same (particl\$4 elements siz\$2 dimens\$5 length\$2 diameter\$2) near6 ("mu.m" micron micrometer\$2 nm nano\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/25 16:01

S39	9	S37 and ("delta.n" retard\$5 anistrop\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/25 16:07
S40	9	S37 and ("delta.n" retard\$5 anisotropy)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/25 16:16
S41	9	(US-20070121050-\$ or US-20040189923-\$ or US-20030107698-\$ or US-20070259134-\$ or US-20040021818-\$ or US-20070013862-\$). did. or (US-6661488-\$ or US-7199855-\$ or US-5327271-\$). did.	US-PGPUB; USPAT	OR	OFF	2008/01/28 14:44
S42	6	S41 and (seal\$4 fill \$4) same (particl\$4 elements siz\$2 dimens\$5 length\$2 diameter\$2) near6 ("mu.m" micron micrometer\$2 nm nano\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 14:44
S43	2	(US-6661488-\$ or US-5327271-\$).did.	USPAT	OR	OFF	2008/01/28 14:44
S44	2	S43 and (seal\$4 fill \$4) same (particl\$4 elements siz\$2 dimens\$5 length\$2 diameter\$2) near6 ("mu.m" micron micrometer\$2 nm nano\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 14:44
S45	2	S44 and (align\$5 same (film\$2 coat\$4 layer\$2) same substrate\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 14:51
S46	2	S44 and (align\$5 same (film\$2 coat\$4 layer\$2) near12 substrate\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 14:55
S47	2	S44 and (align\$5 near7 (films coat\$4 layer\$2) near12 substrate\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 14:57



S48	2	S44 and (align\$5 near7 (films coat\$4 layer\$2) same substrate\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 14:58
S49	1	S44 and (align\$5 near7 (films) same substrate\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 14:58
S50	2	S43 and ((seal\$4 bond\$5 support\$54 mount\$4) near7 substrate\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 15:12
S51	2	S43 and ((seal\$4 bond\$5 support\$4 mount\$4 wall\$1) near7 (lod liquid substrate\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 15:20
S52	1	(US-5327271-\$).did.	USPAT	OR	OFF	2008/01/28 16:53
S53	1	S52 and (gap spac \$5)	USPAT	OR	OFF	2008/01/28 16:53
S54	1	S52 and (gap spac \$4 height) near7 ("mu.m" micron micrometer\$2 nm nano\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 16:57
S55	0	S52 and (wt weigh \$4 "%") same (fill\$4 seal\$5)	USPAT	OR	OFF	2008/01/28 17:46
S56	0	S52 and ("wt" weigh \$4 "%") same (resin \$2 fill\$4 seal\$5)	USPAT	OR	OFF	2008/01/28 17:47
S57	1	10/579202	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 17:47
S58	0	S57 and ("wt" weigh \$4 "%") same (resin \$2 fill\$4 seal\$5)	USPAT	OR	OFF	2008/01/28 17:48
S59	0	S57 and ("wt" weigh \$4 "%") same (resin \$2 fill\$4 seal\$5)	USPAT	OR	OFF	2008/01/28 17:48
S60	1	S57 and ("wt" weigh \$4 "%") same (resin \$2 fill\$4 seal\$5)	US-PGPUB; USPAT	OR	OFF	2008/01/28 17:48
S61	1	S57 and ("wt" weigh \$4 "%") same (resin \$2 fill\$4 seal\$5) and ("wt" weigh\$4 "%")	US-PGPUB; USPAT	OR	OFF	2008/01/28 17:49

S62	1	S57 and (surface near8 area\$2)	US-PGPUB; USPAT	OR	OFF	2008/01/28 17:57
S63	0	S52 and (surface near8 area\$2)	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:01
S64	0	S52 and (surface same area\$2)	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:01
S65	0	S52 and (source same project\$5)	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:12
S66	1	S52 and (light same project\$5)	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:12
S67	1	(US-6661488-\$).did.	USPAT	OR	OFF	2008/01/28 18:13
S68	0	S67 and ("wt" weigh \$4 "%" ) same (resin \$2 fill\$4 seal\$5)	USPAT	OR	OFF	2008/01/28 18:14
S69	1	S67 and ("wt" weigh \$4 "%" )	USPAT	OR	OFF	2008/01/28 18:14
S70	1	S67 and ((source light) same project \$5)	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:16
S71	1	S67 and ((source light lens\$2 condens \$4) same project\$5)	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:22
S72	1	S67 and ((source light) same (condens \$4 lens\$4 project \$5))	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:22
S73	2591	((source) same (condens\$4 lens\$4) same project\$5 same enlarg\$5)	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:28
S74	9	(US-20070121050-\$ or US-20040189923-\$ or US-20030107698-\$ or US-20070259134-\$ or US-20040021818-\$ or US-20070013862-\$). did. or (US-6661488-\$ or US-7199855-\$ or US-5327271-\$). did.	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:29
S75	1	S73 and S74	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:29

S76	521	("delta.n" retard\$5 anistrop\$3) same (indice\$1 index\$4) same (cell\$1 gap spac\$4) near6 ("mu.m" micron micrometer\$2 nm nano\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 18:30
S77	8029	liquid near2 crystal \$2 and (seal\$5 same ("mu.m" micron micrometer \$2 nm nano\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 18:30
S78	117	S76 and S77	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 18:30
S79	5	S73 and S78	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 18:31
S80	139	(US-20070259134-\$ or US-20070121050-\$ or US-20070013862-\$ or US-20040189923-\$ or US-20040021818-\$ or US-20030107698-\$ or US-20080017836-\$ or US-20080011984-\$ or US-20070290169-\$ or US-20070231506-\$ or US-20070188690-\$ or US-20070182903-\$ or US-20070172605-\$ or US-20070127348-\$ or US-20070109489-\$ or US-20070064187-\$ or US-20070012898-\$ or US-20060286313-\$ or US-20060275560-\$ or US-20060263543-\$ or US-20060215103-\$ or US-20060198967-\$ or US-20060182897-\$ or US-20060119752-\$ or US-20060108562-\$	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:32

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S81	1	S73 and S80	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 18:33
S82	10	S73 and S76	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 18:34
S83	8	S82 and (modulat\$4 same (display\$4  cd))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/01/28 18:39
S84	12	(US-20030137624-\$ or US-20040189923- \$ or US- 20050105016-\$ or US-20030107698-\$ or US-20070259134- \$ or US- 20070013862-\$ or US-20040021818-\$). did. or (US-7277140- \$ or US-5748275-\$ or US-6661488-\$ or US-5327271-\$ or US- 7199855-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/01/28 18:59
S86	2	("6661488" "5327271").pn.	US-PGPUB; USPAT	OR	OFF	2008/08/05 13:31

8/ 28/ 2008 2:35:27 PM

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